

Form PTO-1449 (REV. 8-83) <div style="text-align: center; margin-top: 10px;"> US Dept. of Commerce PATENT & TRADEMARK OFFICE </div> <div style="text-align: center; margin-top: 10px;"> INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) </div>	ATTY DOCKET NO. 105193.05	APPLICATION NO. Rule 53(b) Divisional of 10/208,033 filed July 31, 2002
APPLICANT(S) Hideki KOMATSUDA		
FILING DATE October 20, 2003		GROUP

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
<i>DDW</i>		4,682,885	07-1987	Torigoe		
		5,315,629	05-1994	Jewell et al.		
		5,703,675	12-1997	Hirukawa et al.		
		5,737,137	04-1998	Cohen et al.		
		6,249,382 B1	06-2001	Komatsuda		
		6,281,967 B1	08-2001	Kudo		
		6,295,122 B1	09-2001	Schultz et al.		
		6,480,262 B1	11-2002	Tanaka et al.		
		2001/0012101 A1	08-2001	Mulkens		
		2001/0043408 A1	11-2001	Wangler et al.		
		5,896,438	04-1999	Miyake et al.		
		5,920,380	07-1999	Sweatt		
<i>MM</i>		5,534,970	07-1996	Nakashima et al.		

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
<i>DDW</i>		JP-A-60-232552	11-1985	Japan (with abstract)		
		JP-A-62-2540	01-1987	Japan (with translation)		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						

EXAMINER <i>DDW</i>	DATE CONSIDERED 3/26/04
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Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
		5,669,708	09-1997	Mashima et al.		
		5,677,939	10-1997	Oshino		
		4,734,829	03-1988	Wu et al.		
		5,512,759	04-1996	Sweatt		
		5,098,184	03-1992	van den Brandt et al.		
		6,195,201 B1	02-2001	Koch et al.		
		6,198,793 B1	03-2001	Schultz et al.		
		3,267,802	08-1966	M.L. Noble		
		5,245,384	09-1993	Mori		

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
		EP 1 024 408 A2	08-2000	Europe		
		EP 0 744 641 A2	11-1996	Europe		
		JP-A-5-100097	04-1993	Japan (with abstract)		
		JP-A-56-81813	07-1981	Japan (with abstract)		
			JP-A-9-326352	12-1997	Japan (with abstract)	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						

EXAMINER	DATE CONSIDERED 3/26/01
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
<i>DA</i>		3,296,923	01-1967	J.R. Miles			
		5,684,566	11-1997	Stanton			
		5,594,526	01-1997	Mori et al.			
		5,760,963	06-1998	Mori			
		5,739,899	04-1998	Nishi et al.			
		3,941,475	03-1976	Sheets			
		2,991,691	07-1961	H. Schering			
		3,555,987	01-1971	I. Browning			
		1,333,304	02-1920	H.P. Page			
		1,342,894	06-1920	L.W. Bugbee			
<i>DA</i>		1,633,228	06-1927	E.C. Rogers			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
<i>DA</i>		741,246	11-1955	Great Britain			
<i>DA</i>		818,229	08-1959	Great Britain			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
EXAMINER				DATE CONSIDERED			
<i>[Signature]</i>				<i>3/26/04</i>			
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
DA	1,762,932	06-1930	J. Mihalyi			
	2,183,249	12-1939	H. Schering et al.			
	2,186,123	01-1940	K. Rantsch et al.			
	2,195,184	03-1940	R.G. Mobarry			
	2,202,061	05-1940	R.G. Mobarry et al.			
	2,238,008	04-1941	E.W. Beck et al.			
	2,270,517	01-1942	A. Drucker			
	2,326,970	08-1943	K. Rantsch			
	2,552,185	05-1951	G.J. Koch			
	2,803,163	08-1957	H. Ulfers			
DA	3,166,625	01-1965	C.H. Brumley			

FOREIGN PATENT DOCUMENTS						
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS		

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EXAMINER	DATE CONSIDERED 3/26/04
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
<i>DAV</i>		6,231,198 B1	05-2001	Foo		
		4,475,027	10-1984	Pressley		
		4,497,015	01-1985	Konno et al.		
		4,701,023	10-1987	Hager et al.		
		4,769,750	09-1988	Matsumoto et al.		
		4,884,869	12-1989	Uemura		
		5,237,367	08-1993	Kudo		
		5,440,423	08-1995	Ogura		
		5,459,547	10-1995	Shiozawa		
<i>DAV</i>		2,225,485	12-1940	K. Rantsch		
FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						
EXAMINER <i>DAV</i>				DATE CONSIDERED <i>3/26/07</i>		
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PATENT & TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

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Hideki KOMATSUDAFILING DATE
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
<i>DM</i>	5,339,346	08-1994	White		
	5,361,292	11-1994	Sweatt		
	5,815,310	09-1998	Williamson		
	5,581,605	12-1996	Murakami et al.		
	5,894,341	04-1999	Nishi et al.		
	5,891,806	04-1999	Shibuya et al.		
	5,864,388	01-1999	Shima et al.		
	5,724,122	03-1998	Oskotsky		
	5,631,721	05-1997	Stanton et al.		
<i>DM</i>	4,931,830	06-1990	Suwa et al.		

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

<i>DM</i>	JOURNAL OF THE OPTICAL SOCIETY OF AMERICA, vol. 62, no. 12, December 1972, "Formulation of a Reflector-Design Problem for a Lighting Fixture", J.S. SCHRUBEN, pages 1498-1501.
	"Computer-Aided Optical Design of Illuminating and Irradiating Devices", O. KUSCH, ASLAN Publishing House, Moscow 1993, Chapter 3, pp. 145-173.
<i>DM</i>	APPLIED OPTICS, vol. 35, no. 10, April 1996, "Tailored reflectors for illumination", D. JENKINS et al., pages 1669-1672.

EXAMINER

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